PARTS CATALOG

FOR

ONAN INDUSTRIAL ENGINES Two Cylinder, Air Cooled

Models

CK-S/35G

CK-S/35H

CK-S/35J

CK-S/35 K

CK-S/259K

CK-S/259M

CK-S/259N

PARTS AVAILABILITY
NO LONGER GUARANTEED



DIVISION OF STUDEBAKER- PACKARD CORPORATION MINNEAPOLIS 14, MINNESOTA

910-1029

Printed in U.S. A



INTRODUCTION

This is a composite parts list for ONAN CK Series industrial engines of the specific models shown in the Identification Table below. These engines serve as power for welders.

Engineering design changes by the manufacturer are indicated by an advance in the model specification (SPEC.).

Engines are listed in the following Identification Table by MODEL and SPEC. in the order in which they were manufactured. With each model is a brief resume of the reason for advancing the SPEC. The last column contains reference letters for use in identifying the correct column for each MODEL when selecting parts from the Parts List. Compare the MODEL and SPEC. which appear on the engine nameplate with this table.

IDENTIFICATION TABLE

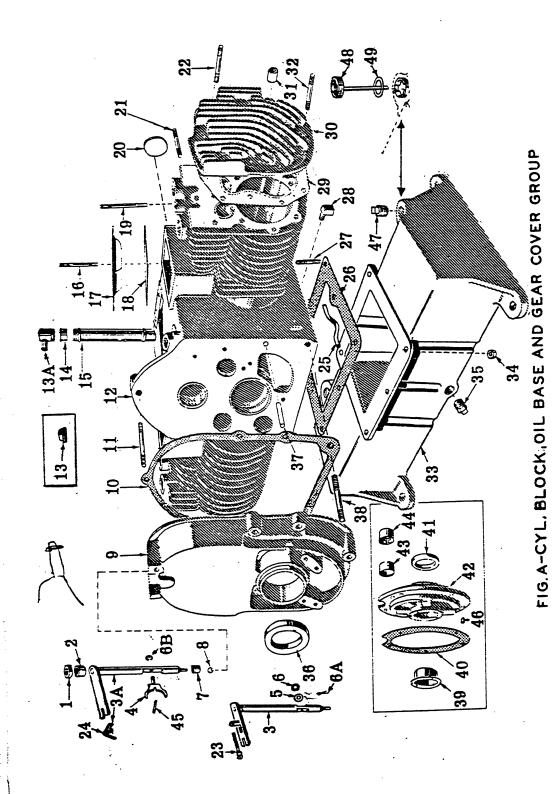
		·
MODEL NO. AND /SPEC. NO.	REASON FOR CHANGE (General)	APPLICABLE QTY. USED COLUMN
CK-S/35G	Original Design, incorporating: Variable Speed Governor; Fuel Filter; Tapered End on Crankshaft; 4 Quart Capacity Base; and Special Paint on Muffler.	G
CK-S/35H	Single 12 Volt Ignition Coil changed to: two 6 Volt "Autolite" coils installed in the Blower Housing. New adjustable quadrant on Variable Speed Control.	H .
CK-S/35J	Changed to: Permatrol Pistons having split skirt and taking Connecting Rod with wider Pin Boss; New Ignition Breaker Box incorporating a Diaphragm on the Breaker Plunger; Forged Governor Yoke.	J
CK-S/35K	Changed to: Cast Iron Magneto Flywheel having Rope Sheave removable; New Magneto having Coil removable;, 3 MFD Ignition Condenser; Molded Rubber Carburetor Air Inlet; Beginning with Serial No. 458109, New Fuel Pump having Priming Lever.	K
CK-S/259K	Added: Vacuum Speed-Booster; Throttle Lock. Larger Valve Compartment; Eliminated Gasket Under Exhaust Valve Guide.	L
CK-S/259M	Location of Governor Cup Stop Pin Changed from Cup to Gear Cover. Breather Cap Clamp Deleted.	M
CK-S/259N	Change to: Air Cleaner with Rain Shield & Metal Cup; Oil Intake Cup with 1/4"pipe thrd; Oil Base with Fill Cap and Dip Stick; New Relief Valve.	N

Parts are illustrated in groups and have referenced arrows which compare with the reference numbers in the parts list for that group. Common hardware parts such as screws, washers and nuts which are usually available locally, are not listed.

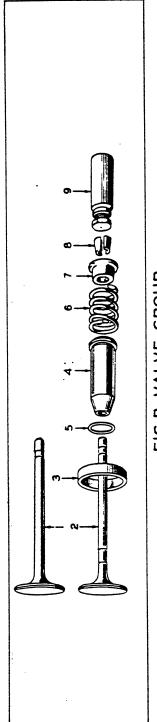
Characteristics peculiar to these engines are: Crankshaft with tapered power takeoff; Four U.S. quart capacity oil base with four point mounting; Fuel filter at carburetor; Mounted fuel tank (furnished as a separate item); Variable-speed governor control; Speed adjusted at 3100 rpm no load for WELDING operation; Ignition timed at 190 B.T.C. spark advance; Plastic shield on face of oil gauge; Special paint on muffler.

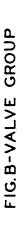












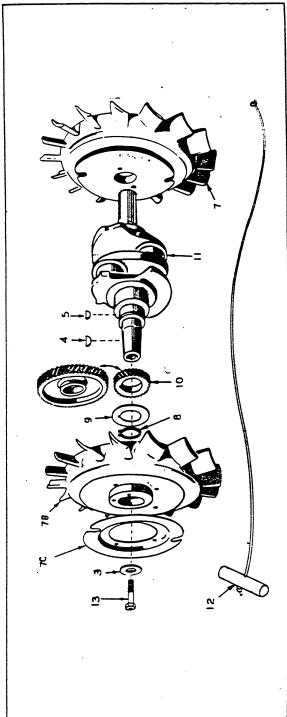
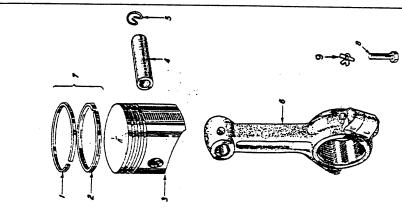
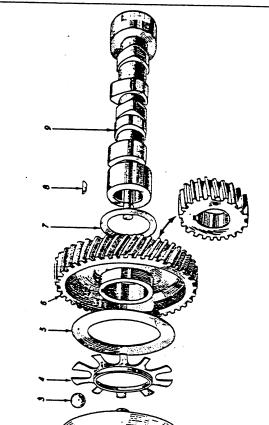


FIG.C-CRANKSHAFT AND FLYWHEEL GROUP

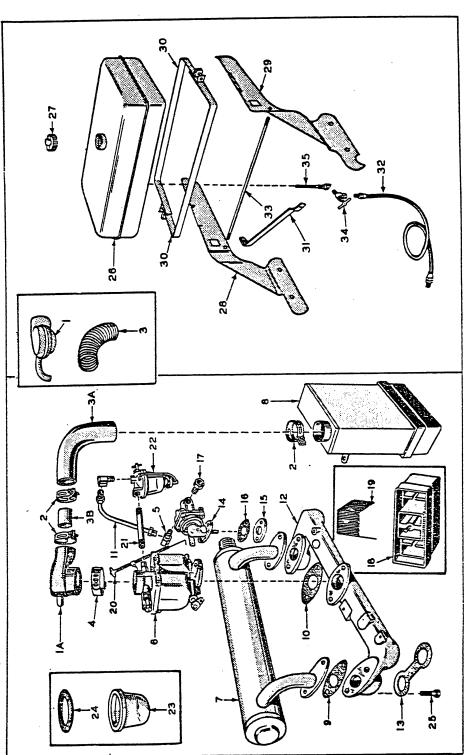






SHAET GROUP







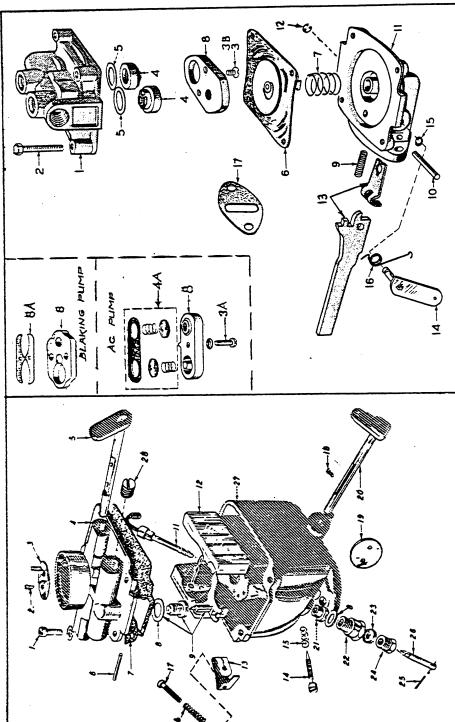


FIG.K-FUEL PUMP GROUP

FIG. G-CARBURETOR PARTS GROUP



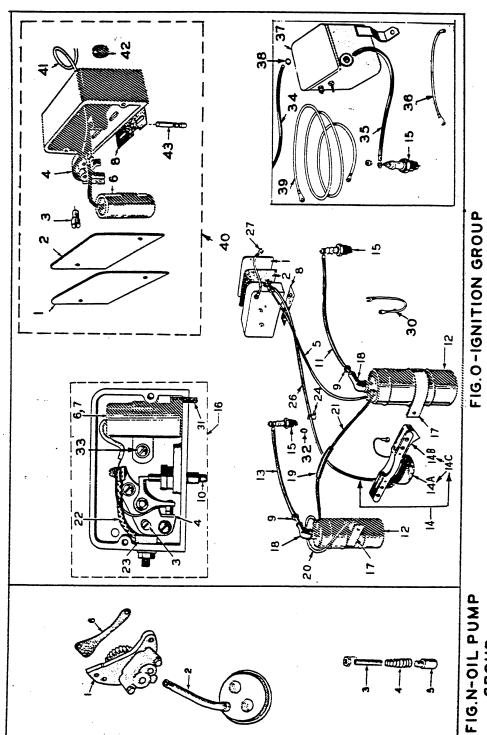




FIG.N-OIL PUMP GROUP

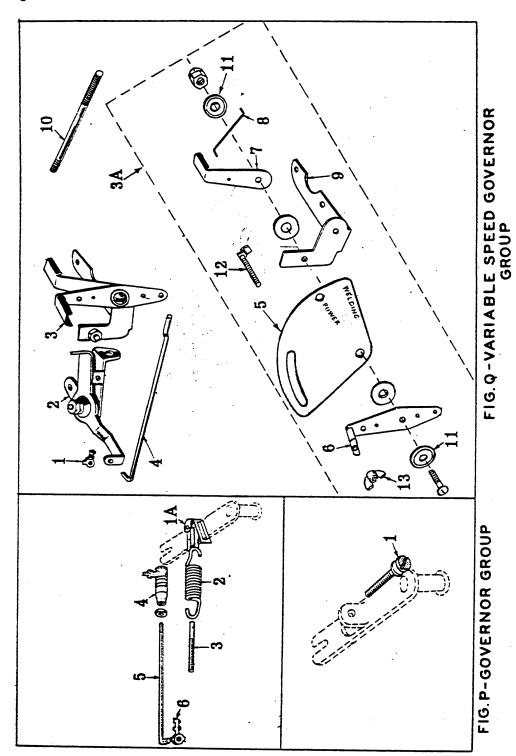






FIG.R-HOUSING GROUP

FIG.S-VACUUM SPEED-BOOSTER GROUP

The second

REF.	. PART	DESCRIPTION		QU/	QUANTITY USED	TY L	SED		T
			೮	Ξ	5	포	-1	Σ	Z
	FIG	3. A - CYLINDER BLOCK, OIL BASE AND GEAR COVER GROUP							
-	209-8 1	*Seal, Oil - Governor Shaft	•	•	•	•	,	•	٠,
~	510-13	*Bearing, Governor Shaft - Upper	-		٠.	٠.	٠.	 •	٦,
က	150B41	Shaft and Arm, Governor - WITH an approximate 5/32" hole in shaft	-	٠	-	-	-	۲ .	-
3A	150-710	*Shaft and Arm, Governor - Includes #150A678 Sensitivity Adjusting Clin	_	=					
		- WITH an approximate 7/32" hole in shaft for mounting FORGED							
4	150A80 V	Yoke, Governor Shaft - STAMPED type (Hag an annoving a 5/39)	_		-	-	-	_	
4	150A 620 V		_	-					
ı		meter mounting stom)							
S	526-140	Washer, Governor Shaft Yoke (Hae only on Yokes warmour Betsiells			-	-	-	_	_
•	1	Ring Groove) Replaces either #150A76 or #150A233 Retaining Spring	_	_	-	-	-		
٥	218-21 v	Nut, Spring - Yoke Retaining (Use only on Stamped type Yokes WITH-	•	4	٠	•			
6A	516-36	Din Cotton Wells Belgin 18 18 18 18 18 18 18 18 18 18 18 18 18	_	_					
))	Yokes WITHOUT Betaining (1/10" x 3/8") Use only on Forged Type							
6B	518-129 V	*8			=	=	-		
	(taining Ring Groove)					-	-	
- 0	\$ 10-8 Z	Bearing, Governor Shaft - Lower	_	_	_	_	-		
	102 207	Ball, Governor Shaft Thrust	-	-	-				-
	4109-001	ر							
		covers Converts and the model of replace all previously used							
		ment to adjustment he engine of all sensitivity stud type of adjust-	•						
	103B11	Gasket, Gear Cover	~ •	— ,	_	-	_	_	_
=	520A115	Stud, Gear Cover - 5/16" x 2-1/4"	٦,	٠.	-		_		
	110K701	Block Kit, Cylinder - Includes Bearing Plate, Rearings Stude Downst	4	₹	4	4	4	4	4.
		Pin, Valve Guides, Valve Seat Inserts, Camshaft Bearing Plug, Valve							
5	123473 V	Compartment Cover	_	_	_	_	_	_	_
;	CIVIONA	WHEN ORDEDING DARMS THE MILES THE	_	_	_				_
		TO INCLUDE AND SERIES BE SORE TO INCLUDE MODEL AND SERIAL NUMBER OF UNITY	VUME	BER (OF U	INIT	_		





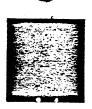
REF.		NOMINATORIA		QUA	INTI	QUANTITY USED	SED		
NO.	NO.	DESCRIPTION	ບ	H	J	X	L	×	z
	FIG.	A - CYLINDER BLOCK, OIL BASE AND GEAR COVER GROUP (Cont.)							
13A	123B293	Cap, Breather Tube				_	-	_	-
14	123A 104 ~	Valve	-	_	-	-	-	-	-
15	123A620	Breather (_	-	-	_	-	-	-
16	520A123	Stud, Valve Compartment - 1/4" x 2-5/8"	2	2	2	2	8	~	2
	110A666	Cover, Valve Compartment (Replaces #110A121)	8	~	2	2	2	~	8
8 5	110A667 ~	Gasket,	7	8	2	2	7	2	2
61	520A95	Stud, Intake Manifold Mounting - 3/8" x 2-7/8"	8	~	~	2	2	2	2
20	517-8		-	_	-	-	-	1	-
7.7	520A114	Stud, Bearing Plate Mounting - 5/16" x 1-5/16"	2	2	2	2	2	ည	2
77	520A78	Stud, Cylinder Head Mounting - 5/16" x 1-7/8"	9	9	9	2	10	9	10
53	150A 136	Screw, Governor Sensitivity Adjusting - Use ONLY on units WITH							
3	100	sensitivity screw TAB on governor arm	_	_	-				
7.4	150A678	Clip, Governor Sensitivity Adjusting - Use ONLY on Units WITHOUT							
		sensitivity screw TAB on governor arm (Replaces either #150A309 or							
,		#150A591 Spring Clip & Stud Assemblies)			_	-	_	-	_
22	120A437	se internal, to rear ma	_	_	_	-	-	-	-
56	102B8 r	Gasket, Oil Base	-	_	_	_	_	-	_
1.7	520A119	Stud, Oil Base Mounting - 3/8" x 1-5/16"	9	9	9	9	9	9	9
28	502-20	Elbow, Street - Oil Line Connection	_	-	-	_	_	-	_
53	110A697	Gasket, Cylinder Head (Replaces #110A124)	~	2	2	2	7	~	~
ရှင်	110A164	Head, Cylinder - Right Hand	-		-	-	-	_	_
9 5	110A163	Head, Cylinder - Left Hand	-	_	_	_	-	_	-
3 5	110A 244	Nut, Long - Cylinder Head	4	4	4	4	4	4	4
;		ing Plate. (5) Goar Cover (14) Cyllinger neag, (2) Mullier, (3) Bear-		96	36	96	96	96	20
32	520A79	Stud. Cylinder Head Mounting = 5/16" x 1=5/8"	9 a	9 0	9 0	2 a	9 0) a) a
33	102B306	Base, Oil - 4 Quart - With Indicator and Cap and Front Oil Drain	•	•	•	•	•	•	•
;		(Replaces earlier base used)	_	-	-	-	_	-	-
34	104A91	Nut, Hex - Oil Base Mounting (3/8-24) Hardened	9	9	9	9	9	9	9
32	505A110	Plug, Pipe- Oil Drain (3/8")	_	-		-	-	-	-
20	211-60c	*Seal, Oil - Gear Cover	_	_	_	_	_	_	_
		WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT	NUM	BER	OF	UNIT	_		
			,	1	;	:			



REF.		NOTEGIALDE		QUA	QUANTITY USED	Y U	SED		
Š.	NO.	DESCRIPTION	Ö	H	J	X	ľ	Σ	z
	FIG. A - C	YLINDER BLOCK, OIL BASE AND GEAR COVER GROUP (Cont.)							
37	516A11	Pin, Dowel - Gear Cover Mounting	~	8	~	~	~	~	~
38	520A333	Stud, Gear Cover Mounting - 5/16" x 3-1/8"	-	-	-	-	-	-	-
39	101K181	Bearing Kit, Crankshaft - Front or Rear - Precision Type - Available							
;		in Std., .002" or .020" Undersize - Specify	2	2	7	7	~	~	2
40	101K115	Gasket Kit, Bearing Plate Mounting	-	_	_	_	_	_	_
41	509-1	Seal, Oil - Bearing Plate	_	_	_	-	_	-	_
42	101C258	Plate only, Bearing - EXCLUDES Bearing	-	_	_	_	_	_	_
43	101A49		-	-	-	-	-	-	_
44	101A50	Bearing, Camshaft - Rear	-	-	-	-	_	-	-
45	516 - 130	*Pin, Roll - Governor Cup Stop - Mounted in Gear Cover (Replaces							
		#516-117 Pin)						-	
. 46	516A72	Pin, Steel - Main Bearing	2	2	2	8	2	. 8	. 2
47	505-130	Plug, Pipe - Oil Fill (3/4")	8	8	~	~	- 2	~	
48	123A 491	tor and Cap, Oil Fill							_
49	123A 191	-							-
		FIG. B - VALVE GROUP							
-	110A104		٠	c	٠	•	·		•
8	110A473		4 6	40	4 6	4 6	3 6	4 6	4 6
~	110A444	Exhaust - Stellite Faced - (Optional material)	~	· ~	. ~	. ~	. ~	1 8	-
က	110A176	chaust Valve-StdAvailable .002"010"025	8	8	. ~	2	. ~	۱ م	- N
က	110A245	Seat, Exhaust Valve-Stellite-Optional material-Available . 002", . 010",						1	
•	107	.025", .027" Oversize - Specify	2	~	~	~	~	2	~
	110A197	Seat, Intake Valve	2	2	2	~	~	~	~
4 11	110A443		4	4	4	4	4	4	4
n 4	110468	Gasket, Valve Guide	7	₹	4	4	4	4	4
o t	110A7	Spring, Valve	4	4	₹	4	₹	₹.	4
- α	11086	Retainer, Valve Spring	4	₹ (4	4.	4.	4	4 (
0	115A6	Lock, Spring Retainer	× 0×	~ ~	∞ •	∞ ¬	∞ 	× ×	» ·
,			r	ř			-		 #

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!





				
	z			
	×		н нн яннинин	н н <u>ё</u> ннчч
SED	1		н нн ннннннн	G
TY U	×		я яя янняння	
QUANTITY USED	J		ਜਜ ਜਜ ਜਜਜਜਜ	2
QUA	H		नन नन ननननन	11 21111
	Ö		нн нн ннннн	O
NOMAGOSAG	DESCRIPTION	FIG. C - CRANKSHAFT AND FLYWHEEL GROUP	Washer, Flywheel Mounting. Key, Flywheel - Steel - Woodruff #9. Key, Crankshaft Gear - Woodruff #3. Flywheel, Magneto (Replaces #160D61) Includes Stator Assy. Flywheel, Magneto - Replaces 160A464 Sheave, Rope - Flywheel. Ring, Retainer - Crankshaft Gear Washer, Crankshaft Gear Gear Set - Includes Crankshaft and Camshaft Gears Crankshaft Rope and Handle, Manual Starting - Inter. with 192A16 Screw Set, Flywheel Mounting - Includes 2-1/2"and 4" screw.	Ring, Snap - Center Pin Cup, Governor - Includes Pin #516-71 - Cup, Governor - No Stop Pin in Cup; Requires Pin in Gear Cover. Ball, Fiy - Governor Spacer, Flyball Plate, Flyball Gear Set - Includes Crankshaft and Camshaft Gears Washer, Thrust - Camshaft Gear.
PART	NO.		526A17 515-2 515A112 515-1 160D202 160D202 160B222 518-14 104A43 105-72 104D72 104D72 104D72	150A78 150B105 150B612 510-15 150B85 150A77 105-72
REF.	NO.		12 13 13 13 13 13 13	





and the same of th
the same of the sa
The second second
The second second
200 1 40 1 40 1 1 1 1 1 1 1 1
100 A

	z		-	_	-			4	٠	3	8		~	~	4				2	~	4	4
	Z		-	-	-			4	•	a —	8		~	~	4				~	8	4	4
SED	L		-		-			4	٠	3	8	·	2	~	ヤ				~	8	≀ 4	4
QUANTITY USED	X		1		-			4	٠	3	8	_	7	~	4				7	6	4	4
NTI	J		-		-			4	e	3	~	·	~	~	4				~	6	4	4
QUA	н		-		-			4	٠	3	8		8	8	4		7			^	4	4
	ບ		-		-			4	٠	a —	~	·_	~	~	4		~				4	4
, Company of the	DESCRIPTION	FIG. D - CAMSHAFT GROUP (CONT.)	Key, Camshaft Gear - Woodruss #3	Camshaft - Includes Center Pin	Pin, Camshaft Center	FIG. E - PISTON AND CONNECTING ROD GROUP	Ring, Compression - Standard010", .020", .030" Oversize	Available - Specify	Ring, Oil Control, Standard 010", . 020", . 030" Oversize Available - Specify	Ding Cot Through Change Dance Contract Contract Contract		Piston, with Pin - Standard 005", . 010", . 020", . 030",	Oversize Available - Specify	Pin, Piston - Standard 002" 005" Oversize Available - Specify.	Ring, Lock - Piston Pin	Rod, Connecting - Standard 020" Undersize Avail Specify - Prior	Serial #409955	ARod, Connecting - Standard 020" Undersize Avail Specify - Begin	With Serial #409955. Use only with 112-33 Piston		Š	
PART	NO.		515-1	105-77 516-71	150A75		113A7		113A8	113_51	10-011	112-33		112A10	112A3	114B9		114845	113-11		110A284	114A59
REF.	NO.		ω (9 10			-	. (N			က	•	4. T	o ,	9	•	٥	7		&	တ

(A)- 114B9 is furnished if 114B45 is requested and serial number is not known. | | | WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!





		r	
	z		по на пантачна попночана
	×		по н н напанаман напамана
SED	1		
QUANTITY USED	X		
LIL	٦		H 8H H HHHH8HHH 8HH8HHH
QUA	Ħ		H NH H HHHHNHHH NHHNHHH
-	ບ		= 0= = = ===0==== 0==0
Nottedadada	DESCRIP LION	FIG. F - FUEL SYSTEM GROUP	Inlet, Carburetor Air - Metal Inlet, Carburetor Air - Rubber Clamp, Air Cleaner Hose - Replaces #503-23 Hose, Air Cleaner - NOTE: Hose 503A117 will work if shortened Hose, Air Cleaner - NOTE: Hose 503A117 will work if shortened Sleeve, Air Cleaner Hose Clamp, Air Inlet Manifler, Exhaust - Special Paint Finish - Replaces 155C70 Cleaner, Air Inlete Manifold, Intake - Without provision for Speed Booster Manifold, Intake - With provision for Speed Booster Manifold, Intake Manifold Clasket, Intake Manifold Clasket, Intake Manifold Clasket, Intere Mounting Connector, Inverted - Fuel Line to Pump Connector, Inverted - Fuel Line to Pump Screen, Air Cleaner - Incl. Screen & Screw - Repl. Plastic Cup Screen, Air Cleaner Cup Screen, Air Cleaner - Begin with Serial #456109 (Repl.#149A271)
PART	NO.		145A48 145A80 503A37 503A117 503A117 503A119 503-107 502-2 142A57 155A243 140C79 154A22 141A78 141A78 149A174 154C18 154A13 149A693 149A65 140K403 140K403
REF.	9		11 22 33 33 44 44 43 33 44 43 43 43 43 43 43

CONTRACTOR OF THE PROPERTY OF

* * * * * * * * * * * * * * * * * * *

				QUA	NTL	QUANTITY USED	SED	·		
REF.	PART NO.	DESCRIPTION	Ö	=	2	×	7	Σ	z	
		FIG. F - FUEL SYSTEM GROUP (CONT.)								
22	505-61	Nipple, Pipe - Filter to Carburetor - 1/8"x2"								
2 S	149-150	Bowl, Fuel Filter								
2 2 25	149-149 114A42	Gasket, Fuel Filter	٠		6	~	8	2	8	
28	159B114	Mounting Tank, Fuel - 2 U.S. Gallon - For Rear Mounting								
27	159A7	Cap Assembly, Fuel Tank - Replaces #159A80		-		-				
8 5 8 8	159C113	Bracket, Fuel Tank, Right Hand		 :	→ °	 •	- ~	- ~	- ~	
	159A116	Strap, Tank Retaining	7 -	۷ -	y -	3 	-	-	-	
31	159A117	Brace, Tank	-	_	-	-	-	-	_	
32	501A32	Line, Flex. Fuel	_	-	-	-	 -	-		
	520A330 504.7	Valve Fuel Shutoff								
35.	149A247	Strainer Assembly, Fuel- Tank Outlet		_		-	٠	٠	<u> </u>	
		If fuel pump with priming feature is desired for engines prior to Serial # 458109, order 149D693 pump and 149A648 priming rod.								~
		FIG. G - CARBURETOR PARTS GROUP								
	142A57 142-33 142-35	Carburetor Assembly								
	815-109 815-103	Screw, Bowl Cover - #10-24 x 5/8"					7	- 2	- 2	
82 FD -	815-91 142-55	*Screw, Choke Valve Plate - Replaces *14z-zb								
ব	142-205	WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!	ר אמו	MBE	R 01	F UN	Ŧ			







KEF.	PART	. NOHOLOGO		QUA	QUANTITY USED	7	SED		
Š.	NO.	DESCRIPTION	ပ	Н	٦	×	1	Σ	Z
;		FIG. G - CARBURETOR PARTS GROUP (CONT.)							
	142-217	Shaff, Choke	-	-	-	-	-	+	
	149.30	1012 (1012) (1012	٠,		- 1	-		٠,	
	140 04	Shally Float	-	_	-	-	-	_	_
	142-31	Gasket, Bowl Cover	_	_	_	_	-	-	
	148A17	Gasket, Fuel Valve or Main Adj. Retainer	8	8	8	8	8	~	
	142-49	*Valve, Fuel	_	-	-	-	-	-	
0	142-32	Gasket, Nozzle	-	-	-	· -	-	٠-	_
_	142-285	Nozzle - Replaces #142-289	-	-	· -	· +	-	· -	_
8	142-380361	FICAL TOTAL	4 +	4 +	٠.	٠.	٠.	٠.	
67	145A8	# Tovar Throttle Stor	4 +	٠.	٠.	- -	٠.	٠.	
~	142.40	#Needle 1dle Adi	٠.	٠.	٠.	٠.		٠.	
· 10	142-282		٠.	٠.	٠.	٠.	٠.	٠.	
	149A3E		٠,	٠,	٠,	٠.	٠.	٠.	_
. ~	819 AK		-	_	٦.		_	-	
	01210		-	7	7	_	_	-	
٠.	71-019	Screw, Throttle Plate - Replaces #142-281	ณ	~	2	~	~	2	_
-	142-25	Plate, Throttle Valve	_	-	1	-	-	-	_
_	142A368	*Shaft, Throttle - Replaces #142A289.	-	_	-	-	-	-	
_	142-290	Nut - Jet, Use Only with 142-285	-	-	-	· -	· +	-	
21, 11	142-309	Nozzle Assembly - Includes 142-285 and 142-290	-		-	•	٠-	• -	_
83	142-46	Retainer, Main Adl. Needle	٠- -		٠.	-	٠.	٠-	_
•	142-206	Packing, Main Adl. Mandla	٠.	٠.	٠.	٠.	٠.	٠.	
	142-45	Retainer, Dacking		٠.	٠.	٠.	٠.	٠.	
	516A27	Pin. Main Adi. Needle	٠.	٠.	٠.	- +	٠.	٠.	
_	142-41	*Needle, Main Adi Inclinios Din	٠,	٠.	٠.	٠.	٠.	٠.	
_	!	Bowl - Order Complete Carbinetor	-	٠	-	۲_	٠	-	_
28	505-53	Plug. Fuel Inlet Bons	-	-	-	-	-	-	
•	142-343	Bushing Olita Throttle shoet	٠	٠	4	٠	٠,	٠.	٦ د

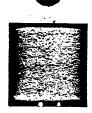


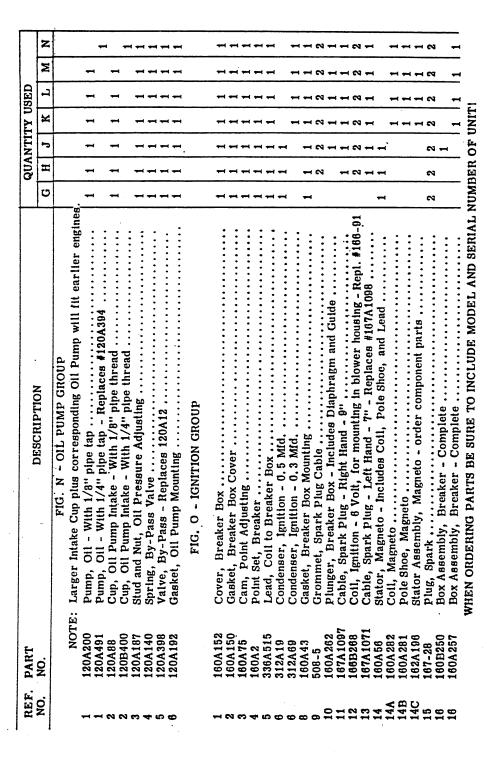
THE CONTROL OF THE PROPERTY OF

T Desident

440	DAUT			DITA	NTIT	DITANTITY USED	GE		
NO.	NO.	DESCRIPTION	ם	H	6	×	17	Σ	z
		FIG. K - FUEL PUMP PARTS GROUP- (See NOTE Below.)							
	Various # 149D693	Pump, Fuel - AC mfr., BLAKING mfr Use 149D663 Pump Pump, Fuel - ONAN mfr., with primer lever - Replaces earlier givle	-	_	-	-	-	-	
		pumps used, of any manufacture							_
	149K528	Repair Kit, Fuel Pump - Includes parts marked (*) - For ONAN mfr.							
		not known, then use 149K74							-
	149K74	Repair Kit, Fuel Pump - Includes parts marked (* and A) - For AC					-	-	-
•		mfr., BLAKING mfr. or ONAN mfr. pumps	_	-	-	-	×	×	×
		Body, Upper - Not Sold Separately	×	×	*	×	*	*	×
~ (815-148	Screw, Body - #8-32 x 7/8"	4	4	4	4	4	4	4
m (815-147	Valve Retainer - #6-							~
3A	149-241	Screw, Valve Retainer - AC mfr. pump only	-		-	_	_	-	
3B	814-62	Screw, Valve Retainer - BLAKING mfr. pump only-#6-32 x 7/16"	2	2	87	ধ	2	~	
₹ -	149-96	*Valve and Cage - BLAKING mfr. & ONAN mfr. pump	2	~	~	7	2	~	8
4A		AVaive Parts - AC infr Use Kit #149K74	×	×	×	×			
م	149A95	*Gasket, Valve - BLAKING mfr. & ONAN mfr. pump	2	~	87	~	2	~	~
9	149A582	*Diaphragm Assembly	-	-	-	-	_	_	-
_	149A672	*Spring, Diaphragm - Replaces #149A93	_	-	-		_		-
& (149A539	Retainer - Valve Cage - ONAN & BLAKING mfr. pump only.		-	_	-	÷	_	-
æ (149-243	Retainer, Valve - AC Mfr.	1	-	_	_	_	-	
θ Θ	149A159	*Gasket - Spacer - BLAKING mfr. pump only	2	~	~	8	~	~	
5	149A675	*Spring, Rocker Arm - Replaces #149A94	+	-	-	-		_	-
0;	516A113	Pin, Rocker Arm	-	-	-	-	_	-	-
= \$	518 190	Body, Lower - Not Sold Separately	×	×	×	×	×	×	×
2 5	149-710	Arm & Link Sol Booker Sold and a feet Shaft - ONAN mfr. pump only.	_	·	,	-	٠,	•	.
14	149A551	Lever, Hand Drimer - ONAN mfr mimm only	_	-	<u> </u>	٠		-	٠.
15	509-65	Seal, "O" Ring - ONAN mfr. numb only				-			٦ ،
16	149A404	Spring, Priming Lever Return - ONAN mfr. mmn							۰ -
17	149A3	*Gasket, Fuel Pump Mounting	2	2	~	~	Ŕ	~	4 82
NOTE	NOTE: Manufactur	turer appears on pump for identification. After installing a new first minimp on an earlier souths	_ 5	100	-			-100	ı
	parts by pu	pump mir, (manufacturer) rather than by the quantity used rollim	E 8	Cal	1011	ııı gııı		iect	









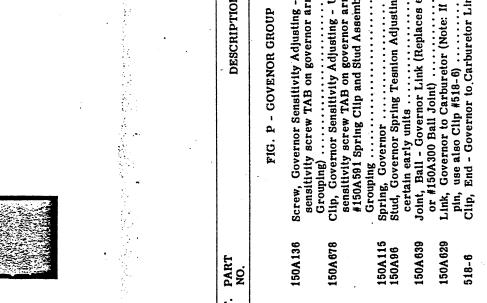
	z		~	2						- ·	-	- +	1		 						
	Σ		2	2	-	-	 -			-		<u>-</u> -	٠								
ED	4		20	2			~			-	-		-								
QUANTITY USED	×		67	1 72 -1			-	 -	-	-	-	~ +	4								
FIT	5		2 6	2 77	_		-			-		 -	7								
20A1	Ξ		82	27	-					. =			_					-		٠,	<u>-</u>
	Ö		٠.					-	-	•				٠	 	87		-			
	DESCRIPTION	FIG. O - IGNITION GROUP (CONT.)	Clamp, Ignition Coll - Prior to Serial #420327	Slot in Housing	Lead, Coll Ground	Chan Bold Towning to Bos Manufact of Ball the Bond to Sand	Block and Terminal Assembly, Breaker Box	Clip, Magneto Lead		Lead, Stop Button	Wick, Oil Drain - Breaker Box	Grommet, Magneto Lead Clip	Screw, Condenser Mounting -#8-32 x 1/4 SEMS #SD-3061	Cable, Spark Plug - Long - 12 Volt Coll to Lelt hann of #1 Plug Cable, Spark Plug - Short - 12 Volt Coll to Right Hand or	Lead, 12 Volt Coll to Ground	"O" Ring - Spark Plug Cable at 12 Volt Coll - 3/8" O.D. x 1/16"	Lead, Stator to 12 Volt Coll	#160B250- Prior to Spec. J	Lead, Coil to Breaker Point Terminal	Grommet, Coll to Breaker Point Terminal Lead	Plunger, Ignition Breaker - No spacer and no dlaphragm, type
DART			166A104 166A141	160A558 503-92	336A481	336A500	160A349	332A273	336A521	336A491	160A261	508-2	518-49	167A1071 167A1072	336A388	509-20	226A166		336A374	508-27	160A36
RES	NO.		11 11	18	28	21	3 g	24	3 3 3	30	31	32	ဗ -	ა ი გ ი	36	8	39	3	41	42	43

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!





				AUG	NTI	QUANTITY USED	SED		Γ
REF.	PART NO.	DESCRIPTION	Ö	, =	f	×	1	Σ	Z
		FIG. P - GOVENOR GROUP							
-	150A136	Screw, Governor Sensitivity Adjusting - Use ONLY on units WITH sensitivity screw TAB on governor arm (Listed also in Fig. A	-	-	-				-
41	150A678	Clip, Governor Sensitivity Adjusting - Use ONLY on units WITHOUT sensitivity screw TAB on governor arm (Replace either #150A309 or #150A591 Spring Clip and Stud Assemblies) Listed also in Fig. A	1	1	-	-	-	•	-
82 85	150A115 150A96	Spring, Governor Stud, Governor Spring Tesnion Adjusting (#10-32 thrd) Not used on				-	-	-	-
4	150A639	Certain early units	-	-					
ຮ	150A629	Link, Governor Dan John (Note: If old link fastens by a cotter nin use also Clin #5/8-6)	-	_	_	-	-	-	-
9	518-6	Clip, End - Governor to Carburetor Link (Replaces Cotter Pin #516-36).	=	-	-	-	-	-	-
		FIG. Q - VARIABLE SPEED GOVERNOR GROUP							
	150C314	Control Assembly, Governor - Variable Speed - Complete (Replaces #150C165 Assembly used for Columns G and H)				-	-	_	~
- 7 co	518-4 150A167 152B39	Clip, Rod End							
¥ 3¥	152B45	Variable Speed and Quadrant Assembly - Includes parts marked (†) plus hardware					- i		
r to	152A44	+ Quadrant			-	-	-	_	_





-

REF	DART		L	QUA	QUANTITY USED	TYU	SED		
NO.	- 1	DESCRIPTION	ပ	표	F 2	×	리	Σ	z
	124	FIG. Q - VARIABLE SPEED GOVERNOR GROUP (Cont.)							
8		Lever, Throttle - Without provision for locking position - Order Lever #152A34 Stud and Bracket #152A70 and Nut #865, 11	-	-	-	-			
9	152A34	Thever, Throttle - With provision for locking position	٠	٠	•	4	-	-	-
-	153A70	TLever, Choke	-	_	-	-	-	-	_
∞ c	153A71	† Link, Choke		_		=-			
. 2 (520A333	Stud. Gear Cover to Crankcase							
=:	152A41	Washer, Tension - Lever Assembly	8	~	2	7	~	8	~
7 22	152A70 865-11	TStud and Bracket - Throttle Lever Locking							
		FIG. R - HOUSING GROUP							
- ,	193968	Gauge, Oil Pressure - with Plastic Face Shield - Includes Clamp	-	-	-	-	-		-
87	501-4	Line, Oil	-	-		-	-	-	=
က	134C156	Housing, Cylinder Air - Left Hand - Replaces #134C30	_	-	-	-	-	-	-
ኆ.	134E178	Housing, Blower		_	_	_	_	_	-
₹ :	134D155	Housing, Blower - Replaces #134D24	-				•		
മ	134C157	Housing, Cylinder Air - Right Hand - Replaces #134C31	_	-	_	-		_	
Θ α	313-18	Button, Stop - Less Lead	-						
· a	502-5	Ellow Invested Bometo Oil Cours	- -		- -		- -	-	
•	313-8	Button, Stop - Replaces #313-11	-	-	4	•	•	•	•
		FIG. S - VACUUM SPEED-BOOSTER GROUP							
	150K433	Kit, Booster Replacement - Complete with external spring and mount-							
-	150A430	ing gasket							
ରୀ ଚ	150K434 150A668								
	٠		_	_	_	_	_	_	



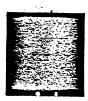




	NOFFORMULA			INI	QUANTITY USED	SED			
	DESCRIPTION	២	Н	J	×	1	×	z	
	FIG. S VACUUM SPEED-BOOSTER GROUP (CONT.)								
150A 366	Gasket, Neoprene - Booster to Manifold					₩ 8,	-8	-8	
150A866 150A866 516-85	bracket, internal spring Adjusting						H H H +		
	SERVICE KITS					•	1	1	
101K181	Kit, Main Bearing Replacement - Precision Type - Includes Stop Pin - Available in: Standard Size; .002" Undersize, for worn engines; or .020" Undersize for re-machined crankshaft hearing fournal								
101K115 168K29	Please Specify Size	2	~	0	~ %	2 - -	≈ - -	~	
			·			٠ >	• •	>	
9		•	4	٠	4	< +	< -	< -	
142-33		-	-	-	-	·			
	Ait, Carduretor Repair Parts		=	_	- -			-	
•									



WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!



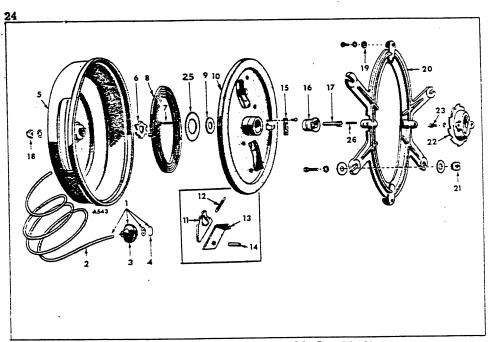


FIG.T READI-PULL STARTER GROUP (MODEL D)

REF. NO.	PART NO.	DESCRIPTION	QI
	FIG.	T - READI-PULL STARTER GROUP (MODEL D) - OPTIONAL	
	192K215	Kit. Complete Model "D" Starter - Includes Mounting Ring and Ratchet	
		Wibeel	.]
1	192A45	Rope and Grip Assembly	
2	192-43	Rope Only. Starter - #7 Nylon x 83" Long	- }
3	192A44	Grip Only. Ball - Rubber	• [•
4	517A25	Plug. Starter Rope Grip	
5	192B152	Cover, Starter	• -
6	192A153	Wheel. Cog - Anti-Backlash	•
7	516-83	Pin. Roll - 3/16" x 5/8" - Recoil Spring	•
8	192A39	Spring. Recoil	
9	525A123	Washer, Thrust - Sheave Bushing to Cover	.
10	192B180	Sheave Assembly, Rope - Includes parts marked * plus hardware	-
11	192A172	*Pawl	•
12	192A165	*Spring. Pawl	.
13	192A168	FArm Patchet	. 13
14	516A110	Pin. Roll - 5/16 x 1/2 - (2) Arm Pivot, (2) Pawl Pivot	. -
15	192A167	*Clamp. Rope	
16	192A153	Bearing. Sheave Hub - Bronze	.
17	192A323	Capscrew, Socket Head - 3/18-16 x 1-1/2" - Sheave Bushing to Cover	- 1
18	870-138	Nut. Flexlock - Bushing to Cover Screw	.
19	526A21	Washer - Starter to Mounting Ring - Replaces 192A185	•
20	192C186	Ring. Mounting - Starter to Blower Housing	.
21	870-110	Nut. Speed Grip - Starter Ring to Blower Housing	
22	192A170	Wheel, Ratchet	
23	192A218	Capscrew, Socket Head - Ratchet Wheel to Flywheel - 3/8-16 x 5/8"	- 1.
		with provision for starter installation allignment	
24	815-137	*Screw, Rope Clamp Mounting	. :
25	526A168	Washer, Spring Retainer (Used on Later Model Starters)	
26	516-132	Pin, Spirol Starter Locating (Used on Later Model Starters)	. [:

